

BRUHAT BANAGLORE MAHANAGARA PALIKE
Executive Engineer - yelahanka Division

Detailed Estimate

Name of the Work

Asphalting to Roads and improvements to drains in A sector and Chikkabommasandra of ward no.04

Sl. No.		Description of item	Unit	Nos	Estimate Amount : 3500000.00			Total Qty	Rate in Rs	Amount in Rs
Dimension										
L in m	B in m				D in m					
CIVIL WORKS										
1	Removing & Refixing Stone Slabs of drains and Pointing in C.M(1:3)									
(Page No 25., I.No.5.33 of KPWD S.R 2016-17)										
Basic rate		Sqm								
Area Wleight age @ 6%		76.00								
Total Rate in Rs		4.56								
11th A main road from 14th A cross road to 12th A cross road										
LHS										
Ch: (0 - 12)			1	12	0.90		10.80			
Ch: (32 - 58)			1	26	1.05		27.30			
RHS										
Ch: (0 - 180)			1	180	1.00		180.00			
10th A main road from 12th A cross road to 13th A cross road										
LHS										
Ch: (142 - 154)			1	12	0.75		9.00			
RHS										
Ch: (0 - 154)			1	154	0.85		130.90			
8th A main road from 14th A cross to 11th A cross road										
LHS										
Ch: (0 - 211)			1	211	0.90		189.90			
RHS										
Ch: (31 - 211)			1	174	1.20		208.80			
11th A main from 7th A cross to 5th A cross road										
LHS										
Ch: (0 - 106)			1	106	1.20		127.20			
cross road from 5th A cross road to 7th A cross road										
LHS										
Ch: (0 - 105)			1	105	1.20		126.00			
							1009.90			
Deduction for damaged and missing 15%							-151.49			
							858.42	80.56	69153.91	
2	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (Page No 142., I.No.19.1 of KPWD S.R 2016-17).									
		Cum.								
Basic rate		82.00								
Area Wleight age @ 6%		4.92								
Total Rate in Rs		86.92								
Desilting										
11th A main road from 14th A cross road to 12th A cross road										
LHS			1	66	0.50	0.500	16.50			
Ch: (0 - 66)										
RHS			1	180	0.50	0.500	45.00			
Ch: (0 - 180)										

Sl. No.	Description of Item	Unit	Nos	Dimension			Total Qty	Rate in Rs	Amount in Rs
				L in m	B in m	D in m			
	10th A main road from 12th A cross road to 13th A cross road								
	LHS								
	Ch. (127.5 - 154)		1	26.5	0.50	0.400	5.30		
	RHS								
	Ch. (0 - 154)		1	154	0.50	0.500	38.50		
	8th A main road from 14th A cross to 11th A cross road								
	LHS								
	Ch. (0 - 211)		1	211	0.60	0.500	63.30		
	RHS								
	Ch. (0 - 211)		1	211	0.60	0.500	63.30		
	11th A main from 7th A cross to 5th A cross road								
	LHS								
	Ch. (0 - 106)		1	106	0.60	0.400	25.44		
	cross road from 5th A cross road to 7th A cross road								
	LHS								
	Ch. (0 - 105)		1	105	0.60	0.400	25.20		
	New drain								
	11th A main from 7th A cross to 5th A cross road								
	RHS								
	Ch. (0 - 106)		1	106	1.20	0.800	101.76		
	cross road from 5th A cross road to 7th A cross road								
	RHS								
	Ch. (0 - 105)		1	81	1.20	0.800	77.76		
							462.06	86.92	40162.26
3	KSRB 4-1.2 Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications Specification No. KBS 4.1, 4.2								
	[Page No 12., I.No.4.2 of KPWD S.R 2016-17].								
		Cum.							
	Basic rate	5046.00							
	Area Weight age @ 6%	302.76							
	Total Rate in Rs	5348.76							
	New drain								
	11th A main from 7th A cross to 5th A cross road								
	RHS								
	Ch. (0 - 106)		1	106	0.90	0.100	9.54		
	cross road from 5th A cross road to 7th A cross road								
	RHS								
	Ch. (0 - 105)		1	81	0.90	0.100	7.29		
							16.83	5348.76	90019.63
4	Providing and laying Plain /reinforced cement concrete for side drains wall and bottom thickness 15cm using M20 nominal mix concrete with OPC cement at 300kg with 20mm and down size granite metal coarse aggregate at 0.69 cum and fine aggregate at 0.43 cum machine mixed well compacted for walls at bottom including centring shuttering cost of materials HOM of machineries curing etc complete excluding cost of steel as per MORTH specification No 1500,1700,2200								
	[Page No 265., I.No.37.59.2 of KPWD S.R 2016-17].								
		Cum.							
	Basic rate	10408.00							
	Area Weight age @ 6%	624.48							
	Total Rate in Rs	11032.48							
	New drain								
	Raft								
	11th A main from 7th A cross to 5th A cross road								

Sl. No.	Description of item	Unit	Nos	Dimension			Total Qty	Rate in Rs	Amount in Rs
				L in m	B in m	D in m			
	RHS								
	Ch: (0 - 106)		1	106	0.90	0.150	14.31		
	cross road from 5th A cross road to 7th A cross road								
	RHS								
	Ch: (0 - 105)		1	81	0.90	0.150	10.94		
	Wall								
	11th A main from 7th A cross to 5th A cross road								
	RHS								
	Ch: (0 - 106)		2	106	0.15	0.900	28.62		
	cross road from 5th A cross road to 7th A cross road								
	RHS								
	Ch: (0 - 105)		2	81	0.15	0.900	21.87		
							75.74	11032.48	835544.87
5	KSRB 4.9.2 : Providing T. M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 for TMT Bars Fe500 (Page No 17., I.No.4.46.2 of KPWD S.R 2016-17).								
		Tonne							
	Basic rate	56050.00							
	Area Wiegth age @ 6%	3363.00							
	Total Rate in Rs	59413.00							
	New drain								
	Taking 65kg/cum						4.92		
							4.92	59413.00	292476.83
6	Providing precast slab of 100 mm thick including cost of all materials, labour, curing, transportation, loading, unloading, etc, complete as per the direction of engineer in charge- (Page No 25., I.No.5.31.2 of KPWD S.R 2016-17).								
		Sqm							
	Total Rate in Rs	1757.00							
	Damaged and missing slab						117.90		
							117.90	1757.00	207150.30
	Sub total-1								1534507.80
	ROAD WORKS								
7	KSRRB M300-14. Excavation for roadwork in all type of soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1.00 km and complete as per specifications. MORTH Specification No.301 (Page No 143., I.No.19.14 of KPWD S.R 2016-17).								
		Cum.							
	Basic rate	46.00							
	Area Wiegth age @ 6%	2.76							
	Total Rate in Rs	48.76							
	Widening Portion								
	11th A main road from 14th A cross road to 12th A cross road								
	Ch: (0 - 180)		1	180	0.75	0.400	54.00		
	10th A main road from 12th A cross road to 13th A cross road								
	Ch: (0 - 154)		1	154	0.90	0.400	55.44		
	8th A main road from 14th A cross to 11th A cross road								
	Ch: (0 - 211)		2	211	1.00	0.400	168.80		
							278.24	48.76	13566.98

Sl. No.	Description of Item	Unit	Nos	Dimension			Total Qty	Rate in Rs	Amount in Rs
				L in m	B in m	D in m			
8	KSRRB M400-6.1 Construction of granular sub-base by providing close graded material, crushed stone aggregates of granite/trap/basalt material, mixing in a mechanical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications. A. Plant Mix Method. Close graded granular sub-base material as per 400-1 For Grading- II Material (Page No 155., I.No.20.4.2 of KPWD S.R 2016-17).								
	Basic rate	Cum.							
	Area Weight age @ 6%	1571.00							
	Total Rate in Rs	94.26							
	Widening Portion	1665.26							
	11th A main road from 14th A cross road to 12th A cross road								
	Ch. (0 - 180)		1	180	0.75	0.150	20.25		
	10th A main road from 12th A cross road to 13th A cross road								
	Ch. (0 - 154)		1	154	0.90	0.150	20.79		
	8th A main road from 14th A cross to 11th A cross road								
	Ch. (0 - 211)		2	211	1.00	0.150	63.30		
							104.34	1665.26	173753.23
9	KSRRB M400-17 Providing, laying, spreading and compacting crushed stone aggregates of granite/trap/basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 (Page No 158., I.No.20.18 of KPWD S.R 2016-17).								
	Basic rate	Cum.							
	Area Weight age @ 6%	1668.00							
	Total Rate in Rs	100.08							
	Widening Portion	1768.08							
	11th A main road from 14th A cross road to 12th A cross road								
	Ch. (0 - 180)		1	180	0.75	0.20	27.00		
	10th A main road from 12th A cross road to 13th A cross road								
	Ch. (0 - 154)		1	154	0.90	0.20	27.72		
	8th A main road from 14th A cross to 11th A cross road								
	Ch. (0 - 211)		2	211	1.00	0.20	84.40		
							139.12	1768.08	245975.29
10	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WBM, WMM, including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per Specifications. MORTH Specification No. 502 (Page No 161., I.No.21.6 of KPWD S.R 2016-17).								
	Basic rate	Sqm							
	Area Weight age @ 6%	26.00							
	Total Rate in Rs	1.56							
	Widening Portion	27.56							
	11th A main road from 14th A cross road to 12th A cross road								
	Ch. (0 - 180)		1	180	0.75				
	10th A main road from 12th A cross road to 13th A cross road								
	Ch. (0 - 154)		1	154	0.90			135.00	
	8th A main road from 14th A cross to 11th A cross road								
	Ch. (0 - 211)		2	211	1.00			138.60	
								422.00	
								695.60	
							27.56		19170.74

Sl. No.	Description of item	Unit	Nos	Dimension			Total Qty	Rate in Rs	Amount in Rs
				L in m	B in m	D in m			
11	KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH / Chapter 5 (Page No 161., I.No.21.2 of KPWD S.R 2016-17).								
		Sqm							
	Basic rate	3.00							
	Area Wiegth age @ 6%	0.18							
	Total Rate in Rs	3.18							
	11th A main road from 14th A cross road to 12th A cross road								
	Ch: (0 - 180)		1	180	3.50		630.00		
	10th A main road from 12th A cross road to 13th A cross road								
	Ch: (0 - 154)		1	154	3.40		523.60		
	8th A main road from 14th A cross to 11th A cross road								
	Ch: (0 - 211)		1	211	4.00		844.00		
							1997.60	3.18	6352.37
12	KSRRB 500-7. Providing and applying tack coat using 80/100 grade Bitumen (VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm , heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH/Chapter 5 (Page No 161., I.No.21.7 of KPWD S.R 2016-17).								
		Sqm							
	Basic rate	11.00							
	Area Wiegth age @ 6%	0.66							
	Total Rate in Rs	11.66							
	11th A main road from 14th A cross road to 12th A cross road								
	Ch: (0 - 180)		1	180	4.25		765.00		
	10th A main road from 12th A cross road to 13th A cross road								
	Ch: (0 - 154)		1	154	4.30		662.20		
	8th A main road from 14th A cross to 11th A cross road								
	Ch: (0 - 211)		1	211	6.00		1266.00		
							2693.20	11.66	31402.71
13	KSRRB M500- 17. Providing, laying dense graded bituminous macadam using 40/60 TPH capacity H M P with Mechanical paver Gr-II(50mm to 75mm), crushed aggregates of specified grading premixed with 4.5% VG 30 grade bituminous binder and filler, transporting the hot mix to work site , laying to the required grade,level and alignment, rolling with wheeled , vibratory and tandem rollers to achieve the desired compaction as per MORTH Table-500-10 including all leads and lift cost of all materials, labour, HOM of machineries complete as per specifications MORTH Specification No 507 (Page No 163., I.No.21.17.6 of KPWD S.R 2016-17).								
		Cum.							
	Basic rate	6071.00							
	Area Wiegth age @ 6%	364.26							
	Total Rate in Rs	6435.26							
	Profile correction								
			1	156	0.050		7.80		
	11th A main road from 14th A cross road to 12th A cross road								
	Ch: (0 - 180)		1	180	0.75	0.050	6.75		
	10th A main road from 12th A cross road to 13th A cross road								
	Ch: (0 - 154)		1	154	0.90	0.050	6.93		
	8th A main road from 14th A cross to 11th A cross road								
	Ch: (0 - 211)		2	211	1.00	0.050	21.10		

Sl. No.	Description of item	Unit	Nos	Dimension			Total Qty	Rate in Rs	Amount in Rs
				L in m	B in m	D in m			
							42.58	6435.26	274013.37
14	KSRRB M500- 19. Providing, laying bituminousConcrete using 40/60 TPH capacity H.M.P with Mechanical paver Gr-II(30mm to 45mm), crushed aggregates of specified grading premixed with 5.4% VG 30 grade bituminous binder and filler , transporting the hot mix to work site , laying to the required grade,level and alignment, rolling with wheeled , vibratory and tandem rollers to achieve the desired compaction as per MORTH Table-500.9 including all leads and lift cost of all materials, labour, HOM of machineries complete as per specifications MORTH Specification No 509 (Page No 165., I.No.21.22.6 of KPWD S.R 2016-17).								
		Cum.							
	Basic rate	6859.00							
	Area Wiegth age @ 6%	411.54							
	Total Rate in Rs	7270.54							
	11th A main road from 14th A cross road to 12th A cross road								
	Ch: (0 - 180)		1	180	4.25	0.030	22.95		
	10th A main road from 12th A cross road to 13th A cross road								
	Ch: (0 - 154)		1	154	4.30	0.030	19.87		
	8th A main road from 14th A cross to 11th A cross road								
	Ch: (0 - 211)		1	211	6.00	0.030	37.98		
							80.80	7270.54	587430.55
15	Lead for disposal of earth shall be payable at Carriage rates (Lead & Lift) by mechanical means including loading and unloading up to 4kms. .[Refer Table. Page No.140]								
		Cum.							
	Basic rate	80.80							
	Total Rate in Rs	80.80							
				For item no	2		462.06		
							462.06	80.80	37334.45
	Sub total-1								1388999.69
	ROAD FURNITURES								
16	KSRRB M800-13. Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC 35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 (Page No 185, I No.24.15 of KPWD S.R 2016-17)								
		Sqm							
	Basic rate	512.00							
	Area Wiegth age @ 6%	30.72							
	Total Rate in Rs	542.72							
	Road Marking								
	11th A main road from 14th A cross road to 12th A cross road								
	Ch: (0 - 180)		2.5	180	0.10		45.00		
	10th A main road from 12th A cross road to 13th A cross road								
	Ch: (0 - 154)		2.5	154	0.10		38.50		
	8th A main road from 14th A cross to 11th A cross road								
	Ch: (0 - 211)		2.5	211	0.10		52.75		
	11th A main from 7th A cross to 5th A cross road								
	Ch: (0 - 106)		2.5	106	0.10		26.50		
	cross road from 5th A cross road to 7th A cross road								
	Ch: (0 - 105)		2.5	105	0.10		26.25		
							189.00	542.72	102574.08

Sl. No.	Description of item	Unit	Nos	Dimension			Total Qty	Rate in Rs	Amount in Rs
				L in m	B in m	D in m			
17	KSRRB M800-35. Supply and installtion of moulded Shank Raised Pavement Markers made of polycarbonate and ABS (Acrylonitrile Butadiene Styrene) moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face and shall support a load of 16000 kg tested in accordance to Specifications of Category A of MORTH Circular No RW/NH/33023/10-97 - DO III Dt 11.06.1997 The height, width and length shall not exceed 50 mm, 100 mm and 102 mm and with minimum reflective area of 13 sqcm on each side and the slope to the base shall be 35 degree. The srength of detachment of the integrated cylindrical shanks, (of diameter not less than 19mm and height not less than 30mm) from the body is to be a minimum value of 500 Kg. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturer's recommendation and complete as directed by the engineer with 2 years warranty for the reflectivity from the original manufacturer is mandatory along with necessary test certification from the cerufied laboratory. Third party test certificates from a reputed test laboratory shall be submitted with seal and Signature in Originals. (Page No 189., I No 24 41 of KPWD S R 2016-17).								
	No.								
	Basic rate	339.00							
	Area Wieght age @ 6%	20.34							
	Total Rate in Rs	359.34							
	11th A main road from 14th A cross road to 12th A cross road								
	Ch: (0 - 180)		1	180			180.00		
	10th A main road from 12th A cross road to 13th A cross road								
	Ch: (0 - 154)		1	154			154.00		
	8th A main road from 14th A cross to 11th A cross road								
	Ch: (0 - 211)		1	211			211.00		
	11th A main from 7th A cross to 5th A cross road								
	Ch: (0 - 106)		1	106			106.00		
	cross road from 5th A cross road to 7th A cross road								
	Ch: (0 - 105)		1	105			105.00		
							756.00		

Sl. No.	Description of Item	Unit	Nos	Dimension			Total Qty	Rate in Rs	Amount in Rs
				L in m	B in m	D in m			
	Spacing @6mc/c	edge					252.00		
							252.00	359.34	90553.68
	Sub Total-3								193127.76
	Total								3116635.25
18	Cost towards Preperation of DPR,PMC/QC @ 2%								70471.61
19	Cost of Plastic@ 8% of bitumen qty for BC	Kg	1	911.38				27.00	24607.23
20	Cost towards KIRDL Charges @ 8% and labour cess @1%								280497.17
21	Misclienous and other charges								7788.74
	Grand Total								3500000.00

Certificate:-

1. That the workspot has been inspected and provisions made in the estimate are adequate and necessary
2. Work spot comes within the Bruhat Bangalore Mahanagara Palike Limits
3. That estimate is based on the PWD SR of 2016-17
4. The work is not split up
5. These works are not taken up in any grants and free from defect liability period
6. Earlier improvements taken up in the proposed roads are recorded in road history

Consultant:
For M/s Mecadez core technologies pvt ltd

Ramasesh
Asst. Engineer
Ward No:4
BBMP

[Signature]
AEE
Yelahanka Sub division
BBMP

[Signature]
Executive Engineer
Yelahanka division
BBMP

ADMINISTRATIVELY SANCTIONED FOR Rs. 35.00 lakh

As Wrtty Five lakh
- only

Under P. 3089

Registered as EE ()

Subject to conditions contained in

enclosed memo EE () No

Dt. Estimate A/Sanctioned

IL/40/PR/AA/39/16.13

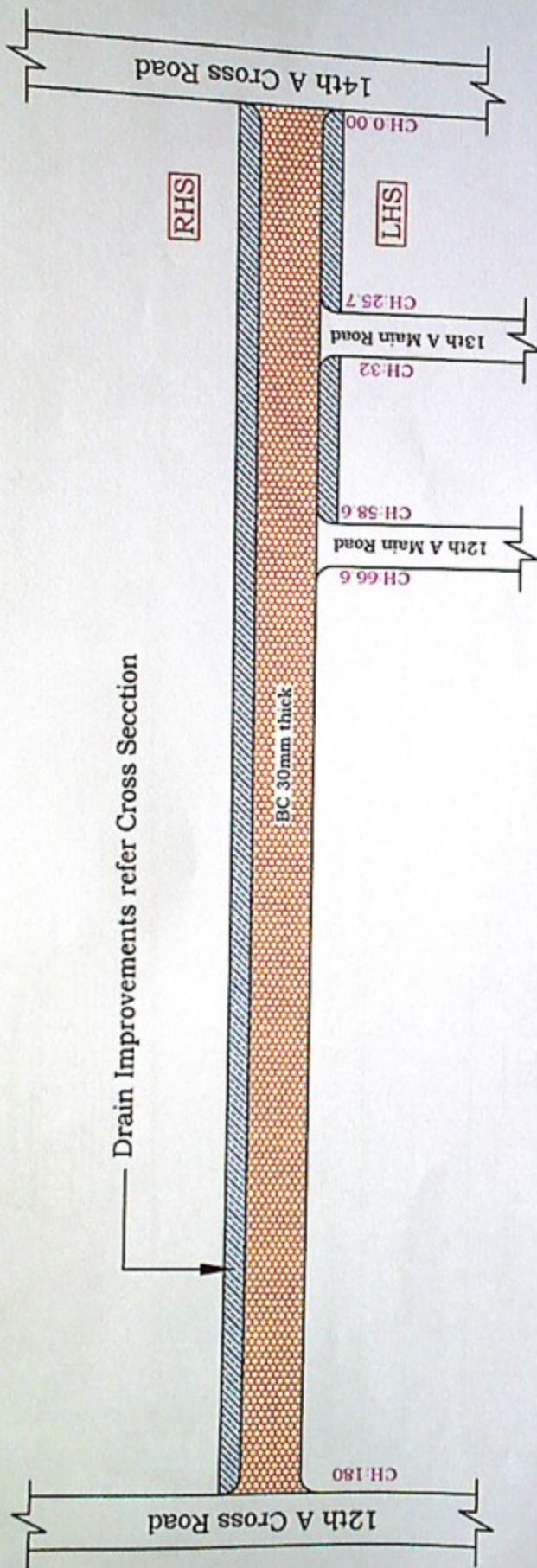
dated 18.3.17 Rs. 35.00 lakh

[Signature]
Joint Commissioner
(Yelahanka Zone)
BBMP, Bengaluru-92

Technical Sanction
Accorded For 35.00 lakh Rs
Head of A/C P 3089
CER NO : 203 Dt. 24.03.17

[Signature]
TA, CE (YNK)

11th A main road from 14th A cross road to 12th A cross road



Index	
	- Road
	- Drain



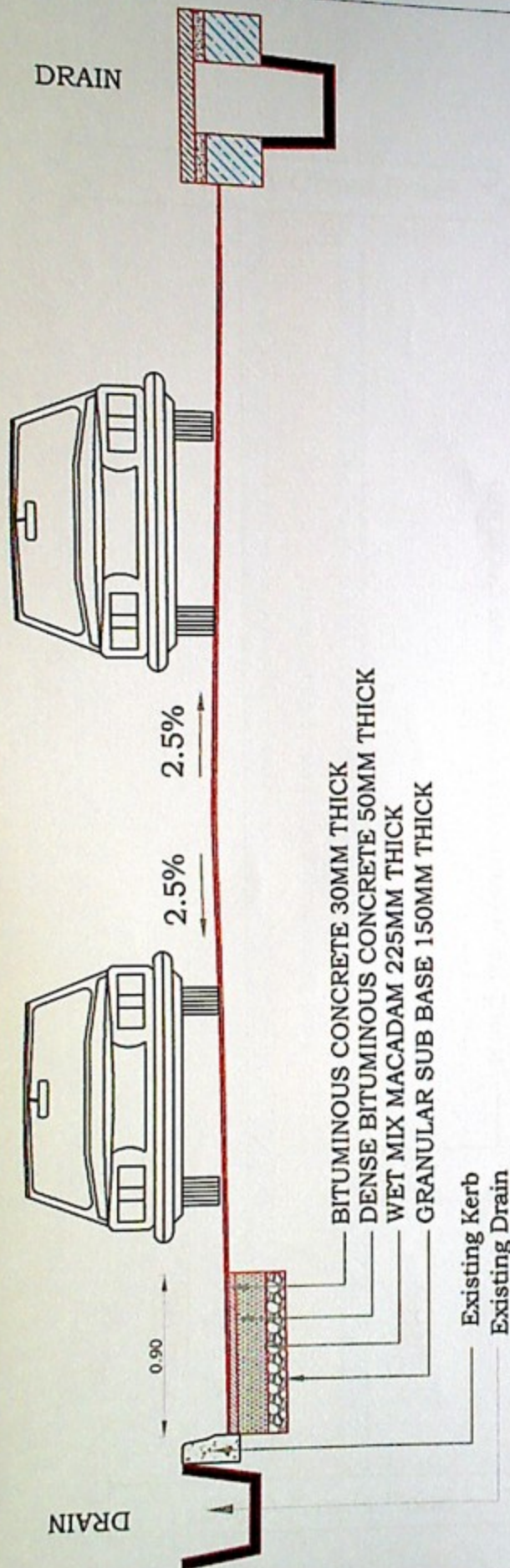
Ramayachary
 Assistant Engineer
 Ward No - 4
 BBMP

Asst
 Assistant Executive Engineer
 Yelahanka Sub Division
 BBMP

Executive Engineer
 Yelahanka Division
 BBMP

PROJECT NAME		DRAWING TITLE		CONSULTANTS	
Asphalting to Roads and improvements to drains in A sector and Chikkabommasandra of ward no.04		Strip Plan		M/s. Mecadez Core Technologies Private Limited Project Management and Consultancy No.103, 1st Main Road, 3rd Cross, Magadi Main Road, Kottagelapalya, Bangalore-560091.	
				BRUHAT BENGELURU MAHANAGARA PALIKE	

11th A main road from 14th A cross road to 12th A cross road



Chainage	Width in m		Chainage	Width in m	
	BC (30mm)	DBM (50mm)		WMM (225mm)	GSB (150mm)
Ch: (127.5 - 154)	4.30		Ch: (127.5 - 154)		
LHS Ch: (127.5 - 154)		0.90	Ch: (127.5 - 154)	0.90	0.90

Amrutesh
 Assistant Engineer
 Ward No - 4
 BBMP

Executive Engineer
 Yelahanka Division
 BBMP



CONSULTANTS

PROJECT NAME

Asphalting to Roads and improvements to drains in A sector and Chikabommasandra of ward no.04

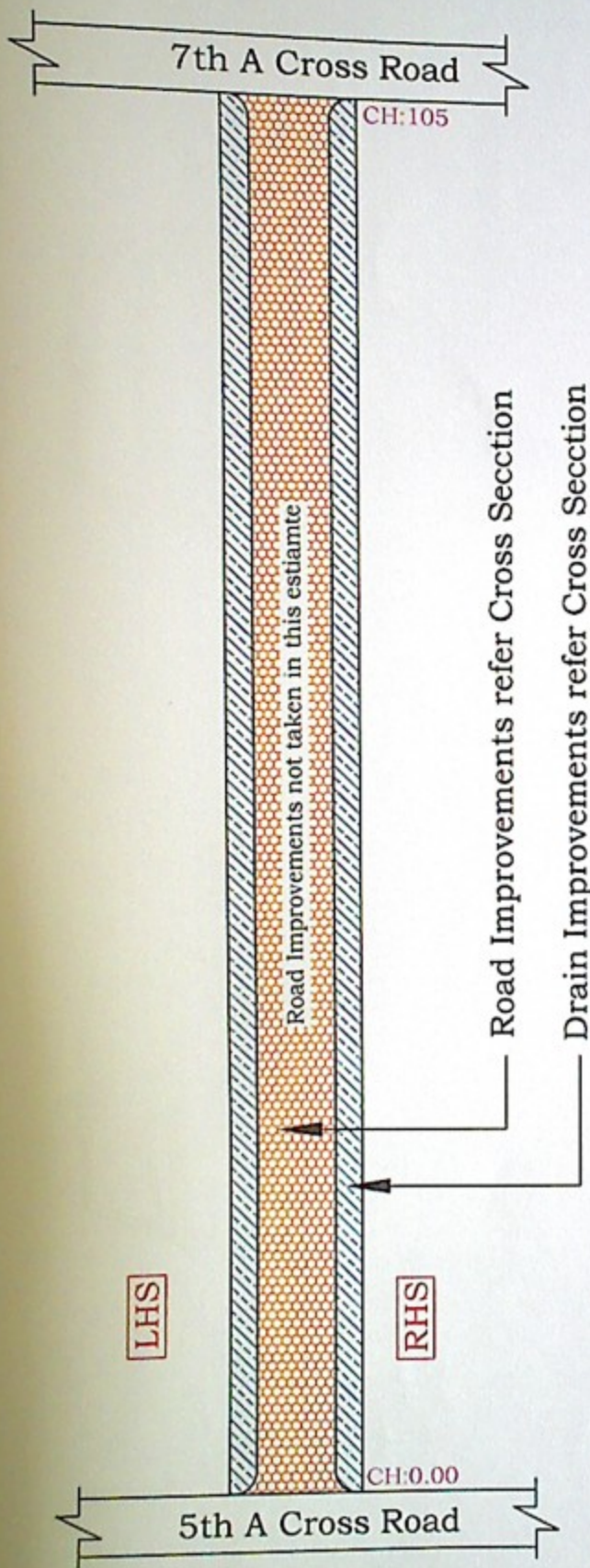
DRAWING TITLE

Cross section

BRUHAT BENGELURU MAHANAGARA PALIKE

M/s. Meedra Core Technologies Private Limited
 Project Management and Consultancy
 No.100, 3rd Main Road, 3rd Cross,
 Magadi Main Road, Kottigehaly,
 Bangalore-560091.

cross road from 5th A cross road to 7th A cross road



Index	
	- Road
	- Drain

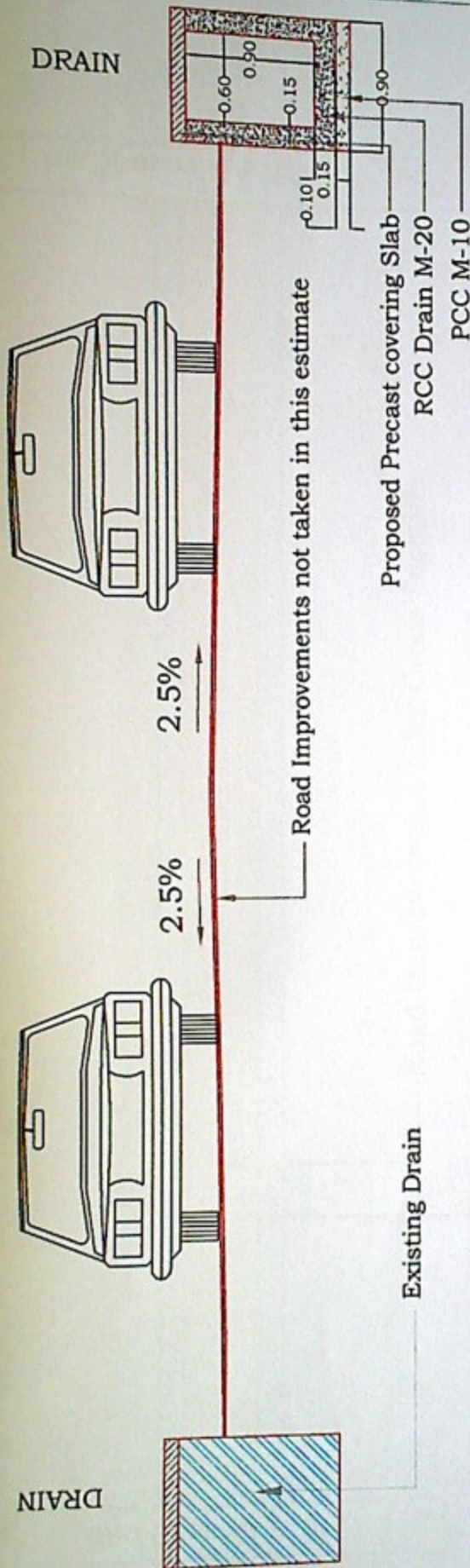


[Signature]
 Assistant Engineer
 Ward No - 4
 BBMP

Executive Engineer
 Yelahanka Division
 BBMP

PROJECT NAME	DRAWING TITLE	CONSULTANTS
Asphalting to Roads and improvements to drains in A sector and Chikkabommasandra of ward no.04	Strip Plan	M/s. Hecadez Core Technologies Private Limited Project Management and Consultancy No. 103, 1st Main Road, 2nd Cross, Magadi Main Road, Kottigehalya, Bangalore-560091
BRUHAT BENGELURU MAHANAGARA PALIKE		

cross road from 5th A cross road to 7th A cross road
0.00-105.00



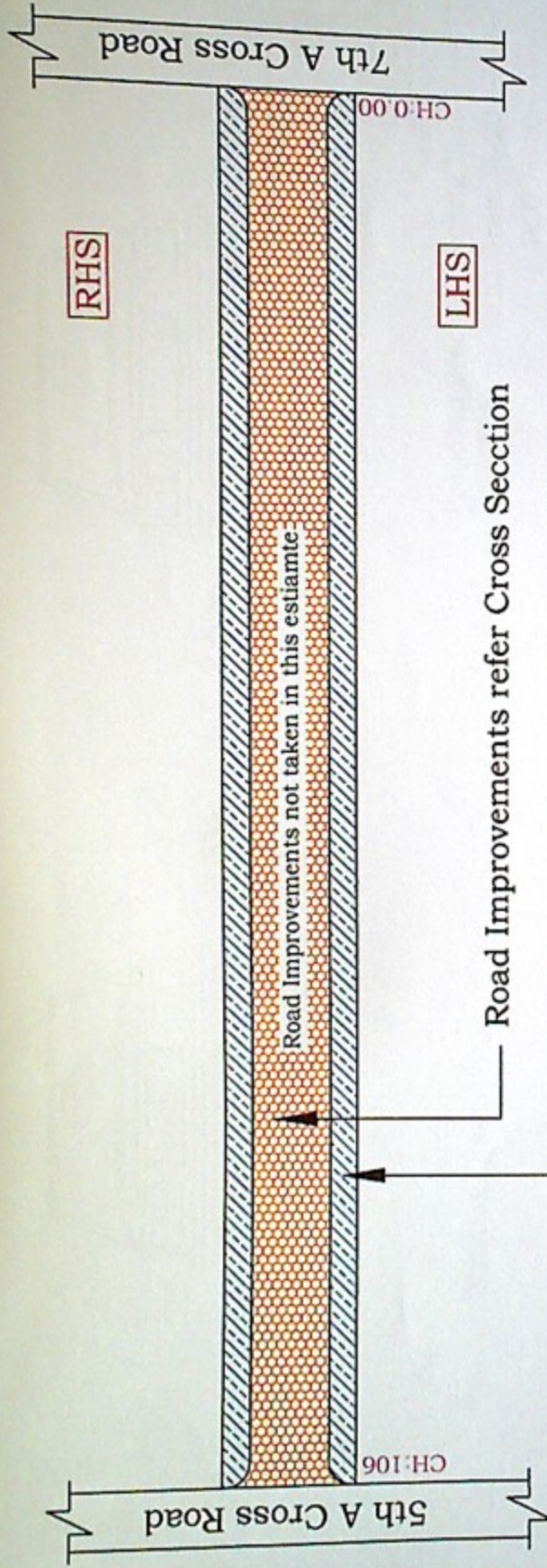
Ramajeev
Assistant Engineer
Ward No - 4
BBMP

Executive Engineer
Yelahanka Division
BBMP



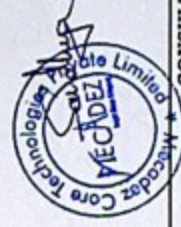
PROJECT NAME	DRAWING TITLE	CONSULTANTS	
Asphalting to Roads and improvements to drains in A sector and Chikkabommasandra of ward no.04	Cross section	M/s. Mecades Core Technologies Private Limited Project Management and Consultancy No. 103, 3rd Main Road, 3rd Cross, Magadi Main Road, Kottigehalli, Bangalore-560091	
BRUHAT BENGELURU MAHANAGARA PALIKE			

11th A main from 7th A cross to 5th A cross road



Road Improvements refer Cross Section
Drain Improvements refer Cross Section

Index	
- Road	- Drain



K. Mayasach
Assistant Engineer
Ward No - 4
BBMP

Executive Engineer
Yelahanka Division
BBMP

PROJECT NAME	DRAWING TITLE	CONSULTANTS
Asphalting to Roads and improvements to drains in A sector and Chikkabommasandra of ward no.04	Strip Plan	M/s. Mecadez Core Technologies Private Limited Project Management and Consultancy No 103, 1st Main Road, 2nd Cross, Magadi Main Road, Kottigehally, Bangalore-560091
BRUHAT BENGELURU MAHANAGARA PALIKE		